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(71)Applicant : NATL INST FOR RES IN INORG MATER
MITSUBISHI MATERIALS CORP

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(54) WATER-CURABLE TYPE CALCIUM PHOSPHATE CEMENT COMPOSITION

(57)Abstract:

PURPOSE: To carry out curing only by the kneading with water and prolong the curing time without incurring the deterioration of physical properties by adding the secondary calcium phosphate containing at least the secondary calcium phosphate anhydride to α -type tertiary calcium phosphate.

CONSTITUTION: A cement composition containing the mixed powder of α -type tertiary calcium phosphate and secondary calcium phosphate as main constituent is prepared by allowing the secondary calcium phosphate to contain the secondary calcium phosphate anhydride. Accordingly, curing can be realized only by the kneading with water, and the deterioration of physical properties is prevented, and the curing time can be set sufficiently long, and since the curing time can be controlled arbitrarily, the cement composition can be effectively used for the dental use such as the filling material for a tooth root part.

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